NITROGUANIDINE DERIVATIVE, ITS PRODUCTION AND PEST CONTROLLING AGENT CONTAINING SAME

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Abstract of JP 3279359 (A)

NEW MATERIALS: A compound of formula I (R<1>, R<2> and R<3> are each H, alkyl or acyl; when one of R<1>, R<2> and R<3> is acyl, the other two are each H or alkyl) and its salt. EXAMPLE: 1-(6-Chloro-3-pyridylmethyl)-1-methyl-2-nitroguanidine.
USE: Useful for pest controlling agents. Active for plant parasitic mites such as Two-spotted spider mite, agricultural insect pests such as Diamond-back moth, sanitary insect pests such as Ornithonyssus bacoti, stored grain insect pests such as Auguimois grain moth, clothing and house insect pests such as Tinea pellionella, etc. Also having excellent penetrativity, thus effective for soil treatment.
PREPARATION: The objective compound of the formula I can be obtained by reaction between a compound of formula II (R<1> and R<2> are each H, alkyl or acyl, being not acyl at the same time) and a second compound of formula III (R<3> is H, acyl or alkyl; when one of R<1> and R<2> is acyl, R<3> is H or alkyl).